APPENDIX A - Walsh Symbol Set for 64-Ary Modulation

Walsh Chip within Symbol

(Left axis: Modulation Symbol Index)

| | | | 11 | 1111 | 1111 | 2222 | 2222 | 2233 | 3333 | 3333 | 4444 | 4444 | 4455 | 5555 | 5555 | 6666 |
Index	0123	4567	8901	2345	6789	0123	4567	8901	2345	6789	0123	4567	8901	2345	6789	0123
0	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
1	0101	0101	0101	0101	0101	0101	0101	0101	0101	0101	0101	0101	0101	0101	0101	0101
2	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011
3	0110	0110	0110	0110	0110	0110	0110	0110	0110	0110	0110	0110	0110	0110	0110	0110
4	0000	1111	0000	1111	0000	1111	0000	1111	0000	1111	0000	1111	0000	1111	0000	1111
5	0101	1010	0101	1010	0101	1010	0101	1010	0101	1010	0101	1010	0101	1010	0101	1010
6	0011	1100	0011	1100	0011	1100	0011	1100	0011	1100	0011	1100	0011	1100	0011	1100
7	0110	1001	0110	1001	0110	1001	0110	1001	0110	1001	0110	1001	0110	1001	0110	1001
8	0000	0000	1111	1111	0000	0000	1111	1111	0000	0000	1111	1111	0000	0000	1111	1111
9	0101	0101	1010	1010	0101	0101	1010	1010	0101	0101	1010	1010	0101	0101	1010	1010
10	0011	0011	1100	1100	0011	0011	1100	1100	0011	0011	1100	1100	0011	0011	1100	1100
11	0110	0110	1001	1001	0110	0110	1001	1001	0110	0110	1001	1001	0110	0110	1001	1001
12	0000	1111	1111	0000	0000	1111	1111	0000	0000	1111	1111	0000	0000	1111	1111	0000
13	0101	1010	1010	0101	0101	1010	1010	0101	0101	1010	1010	0101	0101	1010	1010	0101
14	0011	1100	1100	0011	0011	1100	1100	0011	0011	1100	1100	0011	0011	1100	1100	0011
15	0110	1001	1001	0110	0110	1001	1001	0110	0110	1001	1001	0110	0110	1001	1001	0110
16	0000	0000	0000	0000	1111	1111	1111	1111	0000	0000	0000	0000	1111	1111	1111	1111
17	0101	0101	0101	0101	1010	1010	1010	1010	0101	0101	0101	0101	1010	1010	1010	1010
18	0011	0011	0011	0011	1100	1100	1100	1100	0011	0011	0011	0011	1100	1100	1100	1100
19	0110	0110	0110	0110	1001	1001	1001	1001	0110	0110	0110	0110	1001	1001	1001	1001
20	0000	1111	0000	1111	1111	0000	1111	0000	0000	1111	0000	1111	1111	0000	1111	0000
21	0101	1010	0101	1010	1010	0101	1010	0101	0101	1010	0101	1010	1010	0101	1010	0101
22	0011	1100	0011	1100	1100	0011	1100	0011	0011	1100	0011	1100	1100	0011	1100	0011
23	0110	1001	0110	1001	1001	0110	1001	0110	0110	1001	0110	1001	1001	0110	1001	0110
24	0000	0000	1111	1111	1111	1111	0000	0000	0000	0000	1111	1111	1111	1111	0000	0000
25	0101	0101	1010	1010	1010	1010	0101	0101	0101	0101	1010	1010	1010	1010	0101	0101
26	0011	0011	1100	1100	1100	1100	0011	0011	0011	0011	1100	1100	1100	1100	0011	0011
27	0110	0110	1001	1001	1001	1001	0110	0110	0110	0110	1001	1001	1001	1001	0110	0110
28	0000	1111	1111	0000	1111	0000	0000	1111	0000	1111	1111	0000	1111	0000	0000	1111
29	0101	1010	1010	0101	1010	0101	0101	1010	0101	1010	1010	0101	1010	0101	0101	1010
30	0011	1100	1100	0011	1100	0011	0011	1100	0011	1100	1100	0011	1100	0011	0011	1100
31	0110	1001	1001	0110	1001	0110	0110	1001	0110	1001	1001	0110	1001	0110	0110	1001
32	0000	0000	0000	0000	0000	0000	0000	0000	1111	1111	1111	1111	1111	1111	1111	1111
33	0101	0101	0101	0101	0101	0101	0101	0101	1010	1010	1010	1010	1010	1010	1010	1010
34	0011	0011	0011	0011	0011	0011	0011	0011	1100	1100	1100	1100	1100	1100	1100	1100
35	0110	0110	0110	0110	0110	0110	0110	0110	1001	1001	1001	1001	1001	1001	1001	1001
36	0000	1111	0000	1111	0000	1111	0000	1111	1111	0000	1111	0000	1111	0000	1111	0000
37	0101	1010	0101	1010	0101	1010	0101	1010	1010	0101	1010	0101	1010	0101	1010	0101
38	0011	1100	0011	1100	0011	1100	0011	1100	1100	0011	1100	0011	1100	0011	1100	0011
39	0110	1001	0110	1001	0110	1001	0110	1001	1001	0110	1001	0110	1001	0110	1001	0110
40	0000	0000	1111	1111	0000	0000	1111	1111	1111	1111	0000	0000	1111	1111	0000	0000
41	0101	0101	1010	1010	0101	0101	1010	1010	1010	1010	0101	0101	1010	1010	0101	0101
42	0011	0011	1100	1100	0011	0011	1100	1100	1100	1100	0011	0011	1100	1100	0011	0011
43	0110	0110	1001	1001	0110	0110	1001	1001	1001	1001	0110	0110	1001	1001	0110	0110
44	0000	1111	1111	0000	0000	1111	1111	0000	1111	0000	0000	1111	1111	0000	0000	1111
45	0101	1010	1010	0101	0101	1010	1010	0101	1010	0101	0101	1010	1010	0101	0101	1010
46	0011	1100	1100	0011	0011	1100	1100	0011	1100	0011	0011	1100	1100	0011	0011	1100
47	0110	1001	1001	0110	0110	1001	1001	0110	1001	0110	0110	1001	1001	0110	0110	1001
48	0000	0000	0000	0000	1111	1111	1111	1111	1111	1111	1111	1111	0000	0000	0000	0000
49	0101	0101	0101	0101	1010	1010	1010	1010	1010	1010	1010	1010	0101	0101	0101	0101
50	0011	0011	0011	0011	1100	1100	1100	1100	1100	1100	1100	1100	0011	0011	0011	0011
51	0110	0110	0110	0110	1001	1001	1001	1001	1001	1001	1001	1001	0110	0110	0110	0110
52	0000	1111	0000	1111	1111	0000	1111	0000	1111	0000	1111	0000	0000	1111	0000	1111
53	0101	1010	0101	1010	1010	0101	1010	0101	1010	0101	1010	0101	0101	1010	0101	1010
54	0011	1100	0011	1100	1100	0011	1100	0011	1100	0011	1100	0011	0011	1100	0011	1100
55	0110	1001	0110	1001	1001	0110	1001	0110	1001	0110	1001	0110	0110	1001	0110	1001
56	0000	0000	1111	1111	1111	1111	0000	0000	1111	1111	0000	0000	0000	0000	1111	1111
57	0101	0101	1010	1010	1010	1010	0101	0101	1010	1010	0101	0101	0101	0101	1010	1010
58	0011	0011	1100	1100	1100	1100	0011	0011	1100	1100	0011	0011	0011	0011	1100	1100
59	0110	0110	1001	1001	1001	1001	0110	0110	1001	1001	0110	0110	0110	0110	1001	1001
60	0000	1111	1111	0000	1111	0000	0000	1111	1111	0000	0000	1111	0000	1111	1111	0000
61	0101	1010	1010	0101	1010	0101	0101	1010	1010	0101	0101	1010	0101	1010	1010	0101
62	0011	1100	1100	0011	1100	0011	0011	1100	1100	0011	0011	1100	0011	1100	1100	0011
63	0110	1001	1001	0110	1001	0110	0110	1001	1001	0110	0110	1001	0110	1001	1001	0110

APPENDIX B - Code Mask 00 Table

Switch State per Walsh Chip Pair within the Walsh Symbol

Modulation Symbol Index:

Index	0123	4567	11 8901	1111 2345	1111 6789	2222 0123	2222 4567	2233 8901	3333 2345	3333 6789	4444 0123	4444 4567	4455 8901	5555 2345	5555 6789	6666 0123
0	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0
3	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
4	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0
5	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
6	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1
7	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
8	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0
9	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
10	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1
11	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
12	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1
13	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
14	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0
15	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
16	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0
17	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
18	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1
19	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
20	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1
21	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
22	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0
23	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
24	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1
25	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
26	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0
27	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
28	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0
29	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
30	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1
31	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
32	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
33	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
34	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
35	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
36	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1
37	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
38	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0
39	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
40	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1
41	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
42	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0
43	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
44	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0
45	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
46	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1
47	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
48	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1
49	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
50	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0
51	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
52	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0
53	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
54	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1
55	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
56	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0
57	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
58	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1
59	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
60	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1
61	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
62	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0
63	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

Modulation Symbol Index

		Switch State per Walsh Chip Pair "01" within the Walsh Symbol														
	0123	4567	11 8901	1111 2345	1111 6789	2222 0123	2222 4567	2233 8901	3333 2345	3333 6789	4444 0123	4444 4567	4455 8901	5555 2345	5555 6789	6666 0123
0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
3	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0
4	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
5	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0
6	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
7	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1
8	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
9	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0
10	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
11	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1
12	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
13	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1
14	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
15	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0
16	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
17	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1	1 1	1 1	0 0	0 0
18	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
19	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1
20	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
21	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1
22	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
23	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0
24	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
25	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1
26	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
27	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0
28	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
29	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0	0 0	0 0	1 1	0 0	1 1	1 1
30	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
31	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0
32	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
33	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
34	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
35	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
36	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
37	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1
38	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
39	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0
40	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
41	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1
42	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
43	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0
44	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
45	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0
46	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
47	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1
48	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
49	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1
50	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
51	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0
52	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
53	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0
54	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
55	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1
56	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
57	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0
58	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
59	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1
60	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
61	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1
62	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
63	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	0 1	1 0

APPENDIX D - Code Mask 10 Table

Switch State per Walsh Chip Pair within the Walsh Symbol

Modulation Symbol Index

Index	0123	4567	11 8901	1111 2345	1111 6789	2222 0123	2222 4567	2233 8901	3333 2345	3333 6789	4444 0123	4444 4567	4455 8901	5555 2345	5555 6789	6666 0123
0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
3	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
4	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
5	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1
6	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
7	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0
8	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
9	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1
10	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
11	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0
12	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
13	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0
14	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
15	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1
16	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1
17	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
18	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
19	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0
20	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
21	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0
22	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 0	1 0	0 1	0 1
23	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1
24	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
25	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1	0 0	0 0	0 0	0 0
26	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
27	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1
28	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
29	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0	0 0	0 0	0 0	1 1
30	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
31	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0
32	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
33	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
34	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
35	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0
36	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
37	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0
38	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
39	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1
40	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
41	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0
42	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
43	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1
44	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
45	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1
46	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
47	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0
48	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
49	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0
50	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
51	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1
52	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1
53	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1
54	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
55	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0
56	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
57	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1
58	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
59	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0
60	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
61	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1
62	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
63	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1

APPENDIX E - Code Mask 11 Table

Switch State per Walsh Chip Pair within the Walsh Symbol

(Left margin vertical labels: "Code Mask = ..." and "Modulation Symbol Index")

Index	0123	4567	11 8901	1111 2345	1111 6789	2222 0123	2222 4567	2233 8901	3333 2345	3333 6789	4444 0123	4444 4567	4455 8901	5555 2345	5555 6789	6666 0123
0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
2	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
3	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
4	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1
5	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
6	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0
7	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
8	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1
9	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
10	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0
11	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
12	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0
13	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
14	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1
15	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
16	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1
17	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
18	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0
19	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
20	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0
21	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
22	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1
23	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
24	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0
25	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
26	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1
27	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
28	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1
29	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
30	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0
31	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
32	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
33	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
34	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0
35	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
36	0 0	1 1	0 0	1 1	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0
37	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
38	0 1	1 0	0 1	1 0	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1
39	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
40	0 0	0 0	1 1	1 1	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0
41	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
42	0 1	0 1	1 0	1 0	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1
43	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
44	0 0	1 1	1 1	0 0	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1
45	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
46	0 1	1 0	1 0	0 1	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0
47	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
48	0 0	0 0	0 0	0 0	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	0 0	0 0	0 0	0 0
49	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
50	0 1	0 1	0 1	0 1	1 0	1 0	1 0	1 0	1 0	1 0	1 0	1 0	0 1	0 1	0 1	0 1
51	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
52	0 0	1 1	0 0	1 1	1 1	0 0	1 1	0 0	1 1	0 0	1 1	0 0	0 0	1 1	0 0	1 1
53	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
54	0 1	1 0	0 1	1 0	1 0	0 1	1 0	0 1	1 0	0 1	1 0	0 1	0 1	1 0	0 1	1 0
55	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
56	0 0	0 0	1 1	1 1	1 1	1 1	0 0	0 0	1 1	1 1	0 0	0 0	0 0	0 0	1 1	1 1
57	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
58	0 1	0 1	1 0	1 0	1 0	1 0	0 1	0 1	1 0	1 0	0 1	0 1	0 1	0 1	1 0	1 0
59	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
60	0 0	1 1	1 1	0 0	1 1	0 0	0 0	1 1	1 1	0 0	0 0	1 1	0 0	1 1	1 1	0 0
61	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
62	0 1	1 0	1 0	0 1	1 0	0 1	0 1	1 0	1 0	0 1	0 1	1 0	0 1	1 0	1 0	0 1
63	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

United States Patent & Trademark Office
Office of Initial Patent Examination -- Scanning Division
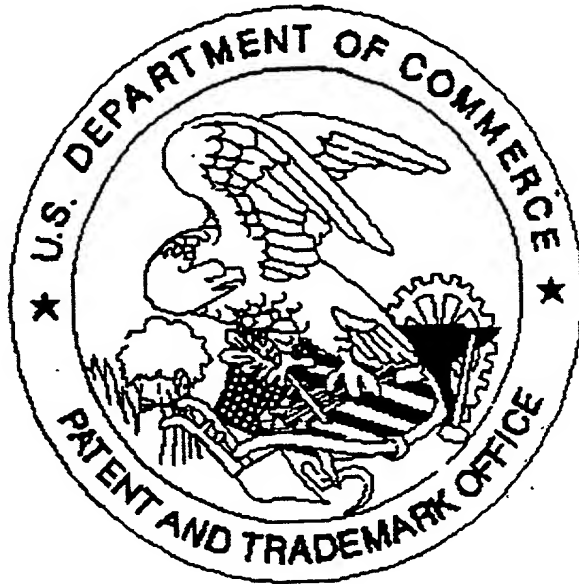
Application deficiencies found during scanning:

☐ Page(s)_____ of_____ were not present
for scanning.   (Document title)

☐ Page(s)_____ of_____ were not present
for scanning.   (Document title)

☐ *Scanned copy is best available.*

Pages numbered 45 - 49 as part of specification
are Appendices.